

## Program Day I – Coating technologies – what is the next thing?

Tuesday, November 26<sup>th</sup>, 2024

9.30 am		<b>Registration for short course</b>
10.00 am	– 12.15 pm	<b>Short course – Basics of slot die coating and drying</b>  COATEMA COATING MACHINERY GMBH, Kira Grefkes – Manager R&D centre, Harmen Rooms – Manager R&D
12.15 pm	– 1.00 pm	<b>Lunch break</b>
1.00 pm	– 1.15 pm	<b>Introduction Coatema</b>  COATEMA COATING MACHINERY GMBH, Thomas Kolbusch – Director Sales, Marketing, Technology, VP
1.15 pm	– 1.45 pm	<b>The role of basis weight in electrode coating</b>  SCANTECH, Germany, Leon Onorio – Manager - Sales & Business Development
1.45 pm	– 2.15 pm	<b>Fully automated giga fab for OPV solar cells</b>  OET (ORGANIC ELECTRONIC TECHNOLOGIES P.C.), Greece, Evangelos Mekeridis – CTO
2.15 pm	– 2.45 pm	<b>Towards industrialization of organic photovoltaic cells and modules for indoor applications</b>  DRACULA TECHNOLOGIES, France, Sadok Ben Dkhil – CTO
2.45 pm	– 3.15 pm	<b>2D Inline thickness measurement with a polarization camera</b>  INSTITUT FÜR FERTIGUNGSTECHNIK UND PHOTONISCHE TECHNOLOGIEN, TU Wien, Ferdinand Bammer
3.15 pm	– 3.45 pm	<b>Development of high throughput roll-to-roll spatial atomic layer deposition for ultra-fast and low-cost thin film deposition</b>  SALD B.V., Netherlands, Erik Kremers – CTO
3.45 pm	– 4.00 pm	<b>Coffee break</b>
4.00 pm	– 4.30 pm	<b>Mastering materials behaviour – Characterisation of interfaces to optimise product</b>  MATERIALSXPERTISE, Netherlands, Dr. Mariëlle Wouters – CEO
4.30 pm	– 5.00 pm	<b>Non-contact measurement of sheet resistance of conductive layers on R2R applications</b>  NAGY INSTRUMENTS, Germany, Tim Emmerich – Technical Sales
5.00 pm	– 5.15 pm	<b>Overview on the trials in the afternoon</b>
5.15 pm	– 6.00 pm	<b>Trials:</b>  ✓ Trial 01: Slot die coating with conductive films and inline measurement ✓ Trial 02: Inline web vibration measurement
		<b>Supplier exhibition</b> C2 Coating & Converting: Specialized Magazine for the Coating and Converting Industry Haehne GmbH: Web tension control and force measurement in coating and converting processes ESWE-Flex Walzen: Specialist with tradition – roller diversity from ESWE-FLEX Heliosonic GmbH: Laser to print fuel cells Dr. Schenk: EasyInspect: local defects, measurements and material properties KET Market: Bringing all partners together BST: What is needed for intermittent coatings – Layer inspection and coating control Laserline: High Power Lasers for Drying and Heat treatment Keyence: Thickness measurements Nagy Instruments: We make your Quality Measurable MeSys GmbH: Mess- und Regelsysteme für Industrieautomation Pro Flextronic-Pro Flexconvert: Specialised media for the converting and flexible electronics industries
6.00 pm	– 6.15 pm	<b>Panel discussion</b>

## Tuesday evening

6.30 pm **Get-together dinner**

## Program Day II – Coating technologies – what is the next thing?

Wednesday, November 27<sup>th</sup>, 2024

9.00 am		<b>Welcome</b> COATEMA COATING MACHINERY GMBH, Thomas Kolbusch – Director Sales, Marketing, Technology, VP
9.15 am	– 9.45 am	<b>Laser drying of battery anodes</b> COATEMA COATING MACHINERY GMBH, Kira Grefkes – Manager R&D centre
9.45 am	– 10.15 am	<b>How to save energy through data</b> EW-TEC, Germany, Michael Mohr – IIoT Engineer
10.15 am	– 10.45 am	<b>Coating Control – intelligent networked edge alignment for renewable energy</b> BST GMBH, Germany, Kai Prah – Area Sales Manager – New Energy
10.45 am	– 11.00 am	<b>Coffee break</b>
11.00 am	– 11.30 am	<b>Digital CCM fabrication for fuel cells &amp; electrolyzers</b> HELIOSONIC – ALTANA AG, Germany, Dr. Frank Walter – Head of consumables & application development Heliosonic
11.30 am	– 12.00 pm	<b>Hyperspectral cameras for quality control</b> KET MARKET, Germany, André Wahl – Technical Sales Director FRAUNHOFER IWS, Germany, Alexander Kabardiadi-Virkovski – Group Lead
12.00 pm	– 12.30 pm	<b>Surface inspection and measurement solutions for web material used in fuel cells</b> KEYENCE, Germany, Johannes Schuler – Business Development Optical measurement technology
12.30 pm	– 1.30 pm	<b>Lunch break</b>
1.30 pm	– 2.00 pm	<b>Optimal design of coating and laminating machines to reduce energy consumption and CO2</b> KROENERT GmbH & Co KG, Germany, Andrea Glawe – Sales Director Kroenert
2.00 pm	– 2.30 pm	<b>Overview on Coatema R&amp;D projects</b> COATEMA COATING MACHINERY GMBH, Harmen Rooms – Manager R&D
2.30 pm	– 3.30 pm	<b>Trials:</b> <ul style="list-style-type: none"><li>✓ Trial 01: LIFT digital printing (Heliosonic)</li><li>✓ Trial 02: Roll-to-Roll battery coating lab scale with integrated quality control system (Keyence)</li><li>✓ Trial 03: Digital printing of silver inks for printed electronics (Heliosonic)</li></ul> <b>Supplier exhibition</b> <p>C2 Coating &amp; Converting: Specialized Magazine for the Coating and Converting Industry Haehne GmbH: Web tension control and force measurement in coating and converting processes ESWE-Flex Walzen: Specialist with tradition – roller diversity from ESWE-FLEX Heliosonic GmbH: Laser to print fuel cells Dr. Schenk: EasyInspect: local defects, measurements and material properties KET Market: Bringing all partners together BST: What is needed for intermittent coatings – Layer inspection and coating control Laserline: High Power Lasers for Drying and Heat treatment Keyence: Thickness measurements Nagy Instruments: We make your Quality Measurable MeSys GmbH: Mess- und Regelsysteme für Industrieautomation Pro Flextronic-Pro Flexconvert: Specialised media for the converting and flexible electronics industries</p>
3.30 pm	– 3.45 pm	<b>Q&amp;A session and closing remarks</b>